

ABSTRACT OF THE DISCLOSURE

In an electric generator, a housing mounted on a vehicle wheel has a surrounding wall extending from a periphery of a base wall and cooperating with the base wall to confine a receiving space. An air impeller is disposed in the receiving space, has a spindle coupled rotatably to the base wall, and is formed with multiple radial impeller blades such that flow of air into the receiving space through an inlet vent hole and out of the receiving space through an outlet vent hole when the vehicle wheel rotates results in rotation of the air impeller in the receiving space. A magnet ring is disposed in the receiving space around a stator coil, which is mounted securely in the receiving space, and is coupled co-rotatably to the air impeller such that rotation of the magnet ring results in an induced electrical current in the stator coil.